AIM OF THE PROGRAMME

Since 2013, the Department of Mathematics at the Indian Institute of Space Science and Technology has spearheaded its premier initiative, "Young Talent Nurture" (YTN). YTN aims to cultivate budding mathematical minds and enhance their logical reasoning, analytical capabilities, and problem-solving prowess. It also aims to prepare participants to tackle significant challenges in advanced mathematics and its various application fields. The duration of the program is two weeks and is scheduled from 27th May to 8th June 2024.

TOPICS TO BE COVERED

- Abstract Algebra
- Complex Analysis
- Introduction to Machine Learning
- Analysis and Metric Spaces
- Differential Equations

ELIGIBILITY FOR PARTICIPATION

Students who have completed 3rd year/6th semester of B.Sc./B.Tech./Integrated BS-MS/ Integrated M.Sc. with Mathematics as one of their subjects may apply.

HOW TO APPLY

Students are requested to apply online through the link:
https://www.iist.ac.in/ytn2024

The online registration begins from 1st April, 2024 (afternoon). Please note that filling up contact details (preferably email) of a Mathematics Professor with whom the applicant is closely acquainted is mandatory.

IMPORTANT DATES

- Last date for receiving online application : 28th April, 2024.
- Last date for receiving the recommendation letter : 29th April, 2024.
- Date of publishing the list of selected candidates : 03th May, 2024.

SELECTION OF CANDIDATES

- The selection will be purely on merit, based on academic record and the letter of recommendation from the Mathematics Professor with whom the applicant is closely acquainted.

- Only selected candidates will be intimated.

- Selected Candidates will be provided free boarding and lodging for the entire duration of the programme.

ABOUT DEPARTMENT OF MATHEMATICS, IIST

The Department of Mathematics, IIST, offers Ph.D. programs and an M.Tech program in Machine Learning and Computing. Apart from these, the Department offers Mathematics courses for the other departments' UG and PG programs. Presently, there are eleven faculty members in the Department, working in the areas of Mathematical Control Theory, Suspension Rheology Partial Differential Equations, Differential Geometry and its Applications, Applied Probability and Stochastic Processes, Numerical Solutions to Fluid Dynamics Computational Partial Differential Equations, Numerical Solutions to Partial Differential Equations, Commutative Algebra, Machine Learning Algorithms and Application and Control and Inverse Problems.

For more details, visit the link: https://www.iist.ac.in/ytn2024.

CONTACT DETAILS

☎ Phone: 0471-2568544; 🖨 Fax: 0471-2568462
✉ Email: maths.ytn@iist.ac.in
≈ Co-ordinators: Kaushik Mukherjee and Prosenjit Das
✉ Address: The Co-ordinators, Young Talent Nurture,
Department of Mathematics,
Indian Institute of Space Science and Technology,
Valiamala P.O., Thiruvananthapuram - 695 547.